

**03050104-040***(Grannies Quarter Creek)***General Description**

Watershed 03050104-040 is located in Kershaw and Lancaster Counties and consists primarily of *Grannies Quarter Creek* and its tributaries. The watershed occupies 45,211 acres of the Sandhills region of South Carolina. The predominant soil types consist of an association of the Goldston-Lakeland-Badin series. The erodibility of the soil (K) averages 0.15 and the slope of the terrain averages 15%, with a range of 0-45%. Land use/land cover in the watershed includes: 92.0% forested land, 5.6% agricultural land, 1.2% scrub/shrub land, 1.1% forested wetland (swamp), 0.1% water.

Grannies Quarter Creek drains into the Wateree River just below the Lake Wateree Dam. Flat Rock Creek (Little Flat Rock Creek) and Dry Branch flow into Grannies Quarter Creek. There are a total of 80.9 stream miles in this watershed, all classified FW.

**Surface Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CW-077	BIO	FW	FLAT ROCK CREEK AT S-28-40
CW-078	BIO	FW	GRANNIES QUARTER CREEK AT S-28-58
CW-237	W/INT	FW	GRANNIES QUARTER CREEK AT SC 97

*Flat Rock Creek (CW-077)* - Aquatic life uses are fully supported based on macroinvertebrate community data.

*Grannies Quarter Creek* – There are two SCDHEC monitoring sites along Grannies Quarter Creek. At the upstream site (*CW-078*), aquatic life uses are fully supported based on macroinvertebrate community data. At the downstream site (*CW-237*), aquatic life uses are partially supported due to pH excursions. Significant decreasing trends in five-day biochemical oxygen demand and turbidity suggest improving conditions for these parameters. Recreational uses are partially supported at this site due to fecal coliform bacteria excursions.

**NPDES Program****Active NPDES Facilities**

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
<i>PERMITTED FLOW @ PIPE (MGD)</i>	<i>COMMENT</i>
GRANNIES QUARTER CREEK	SCG643005
CITY OF CAMDEN WTP	MINOR DOMESTIC
PIPE #: 001 FLOW: M/R	WAS SC0047473
LITTLE FLAT ROCK CREEK	SCG730155
CAROLINA QUARRIES/KERSHAW QUARRY	MINOR INDUSTRIAL
PIPE #: 001 FLOW: M/R	

LITTLE FLAT ROCK CREEK  
 NC GRANITE CORP./KERSHAW QUARRY  
 PIPE #: 001 FLOW: M/R

SCG730209  
 MINOR INDUSTRIAL

## Nonpoint Source Management Program

### *Mining Activities*

*MINING COMPANY*  
*MINE NAME*

*PERMIT #*  
*MINERAL*

JIMMY R. WILLIAMS  
 CAROLINA MAHOGANY #1

0013-55  
 GRANITE

CAROLINA QUARRIES  
 KERSHAW QUARRY

0404-55  
 GRANITE

N.C. GRANITE CORP.  
 PALMETTO QUARRIES #1

0487-55  
 GRANITE

### **Growth Potential**

There is a low potential for growth in this watershed. U.S. Hwys. 521 and 601 run through the area and limited growth is expected adjacent to these roads.